

The File: Contract No. 706, T. O. 2

27 July 1962

25X1A9a [REDACTED]

Trip Report - Demodulator Test Program with [REDACTED]

25X1A5a1

1. Project Description:

This project will compare the field performance of the seven-bit Barker code System (CV-17), a conventional FSK Demodulator (Northern 174) and a linear demodulator incorporating the Page Decision Threshold Computer.

2. Contractual Information:

- a. Initial Cost: \$32,044.00
- b. Initiation Date: 1 July 1962
- c. Completion Date: December 1962
- d. Deliverable Items: A Comprehensive Engineering/Field Test Report

3. Date of Meeting: 16 July 19624. Place of Meeting: [REDACTED]5. Persons Attending:  
Agency

Non-Agency

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Mr. [REDACTED]

Mr. [REDACTED]

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6. Contractor's Performance:

- a. On Schedule and expected to remain so: Yes
- b. Within Obligated Funds and expected to remain so: Yes
- c. Satisfactory Technical Progress: Yes

7. Project Status:

A visit was made to the subject contractor to hand carry the Sylvania Barker Code equipment (CV-17), the Northern FSK Model 174, and the Page DTC unit. The contractor plans to send this equipment to the [REDACTED] offices of the company where it will be inspected, tested and optimized prior to return to [REDACTED] and the cross-country field tests. Both [REDACTED] and [REDACTED]

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Approved from automatic  
downgrading system  
1980

SUBJECT: Trip Report - Demodulator Test Program [REDACTED]

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25X1A5a1 [REDACTED] will assist in the optimization of their respective equipment at the appropriate time.

Although not requested [REDACTED] in their proposal, it has become necessary to purchase additional equipment in the form of two SP-600 Communications Receivers or equivalent. A high quality receiver is required for the field test and unfortunately [REDACTED] has none available. The undersigned agreed to initiate action to supply the requested receivers.

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25X1A5a1 Mr. [REDACTED] briefly outlined the test program. The field tests will be conducted on a path between [REDACTED] facility at [REDACTED] (Transmit) and the local facility [REDACTED] (Receive). A frequency of 11.4 MC will be used unless the Agency has an objection and wishes to use another frequency.

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Since this was the first visit to [REDACTED] conducted a brief familiarization tour of the plant. In addition, project responsibility was transferred to the undersigned vice Mr. [REDACTED]

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Distribution:

R+D Subject File  
Inspection Branch/CI/RD  
R+D Lab  
OC-T  
Monthly (2)  
EP Chrono

OC-E/R+D-EP:RDE:mjf (27 July 1962)

